

ABSTRACT

A polyamide obtained by polycondensation of a diamine component containing at least 50 mol% of
5 2-methyl-1,5-pentanediamine and a dicarboxylic acid component containing at least 50 mol% of azelaic acid,
comprising the following properties of (1) to (4),
(1) when a stretched film is polarized in an electric field of 200 MV/m, a remanent polarization is at least 30 mC/m²,
10 (2) the relative viscosity of a 1g/dl solution of the polyamide in 96 % concentrated sulfuric acid at 25 °C is 1.3 to 5.0,
(3) the glass transition temperature is 80 °C or less and a calorific value at a cooling crystallization exotherm
15 peak is 5J/g or less, and
(4) it is soluble in an amount of at least 5 mass % at 25 °C in at least one selected from methanol, ethanol and 2-propanol,
and a resin composition containing the above polyamide and an
20 electrically conductive material.